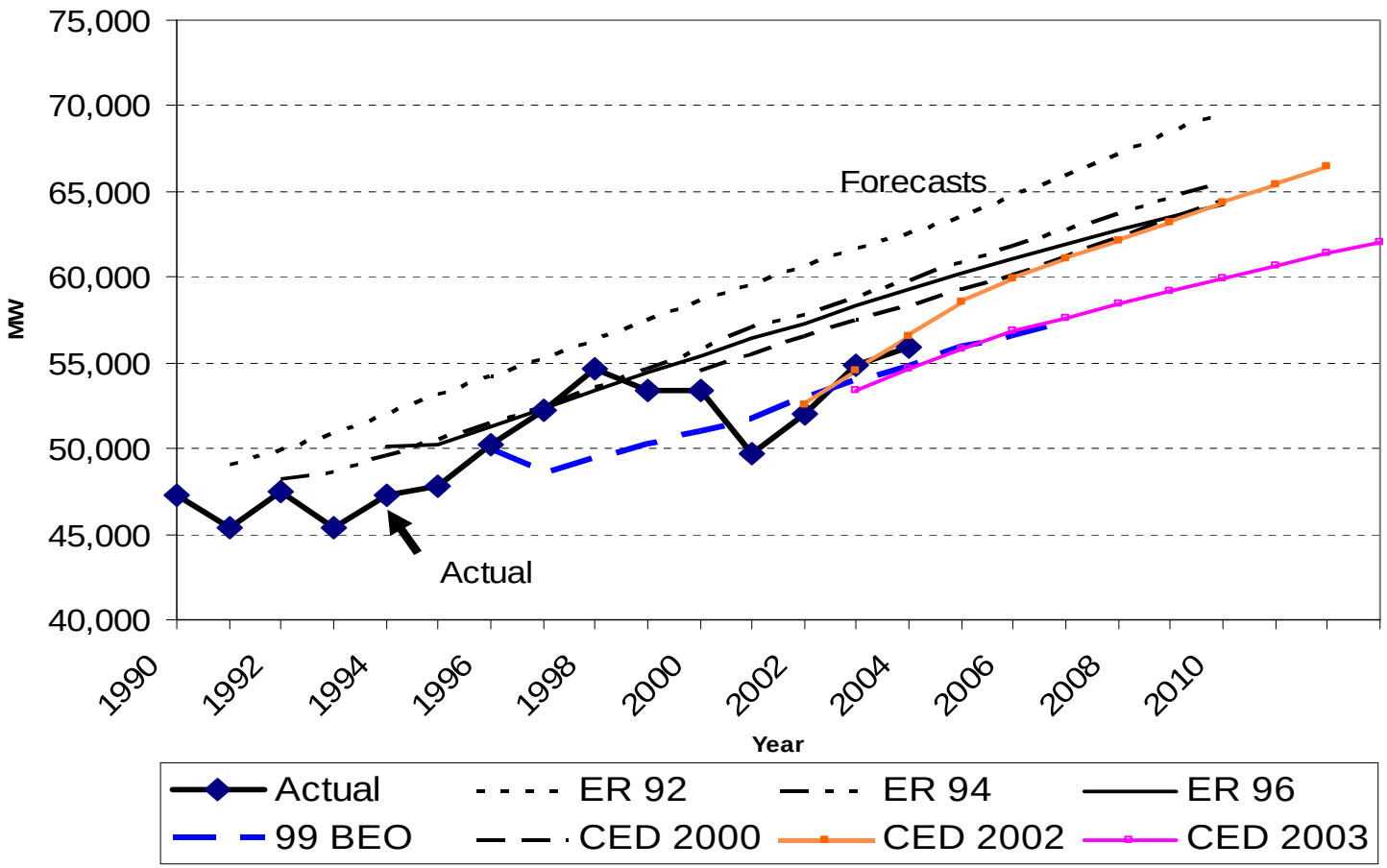
Load Projections for the Summer 2005 Outlook

Electricity Committee Workshop
March 21, 2005

Lynn Marshall
Demand Analysis Office

Statewide Annual Peak Demand Forecast versus Actual



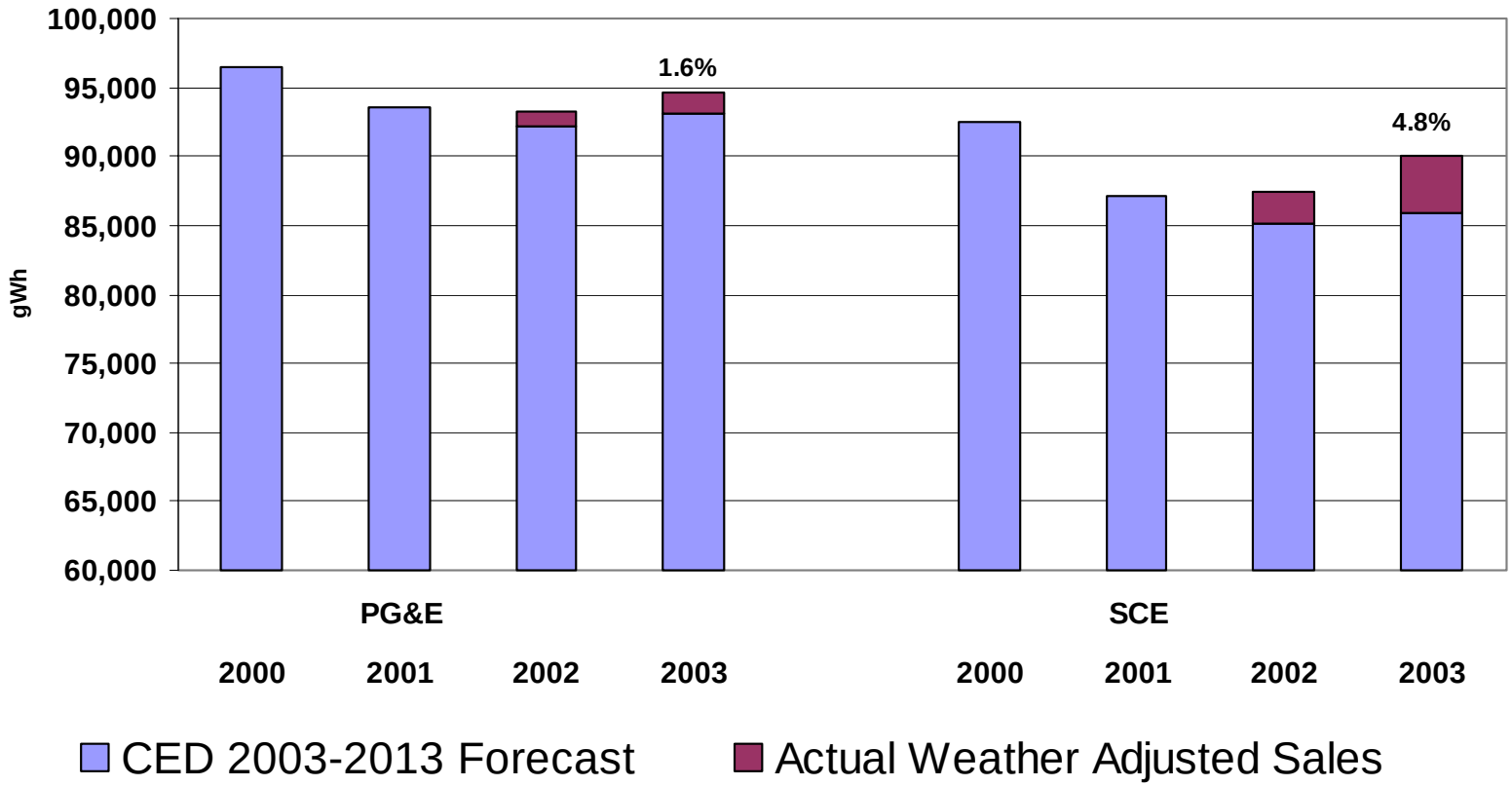
Summer Outlook
Actual versus Forecast

	2001	2002	2003	2004	Ave. Percent Error
Summer Outlook Projection	46,348	51,277	51,956	53,896	
Actual Coincident Peak	47,820	51,240	51,853	54,927	
Estimated Weather Adjusted Peak		52,142	54,666	56,630	
Percent Error Actual v. Projected	-3.2%	0.1%	0.2%	-1.9%	-1.2%
Percent Error Weather Adjusted v. Projected		1.8%	5.4%	3.1%	3.4%

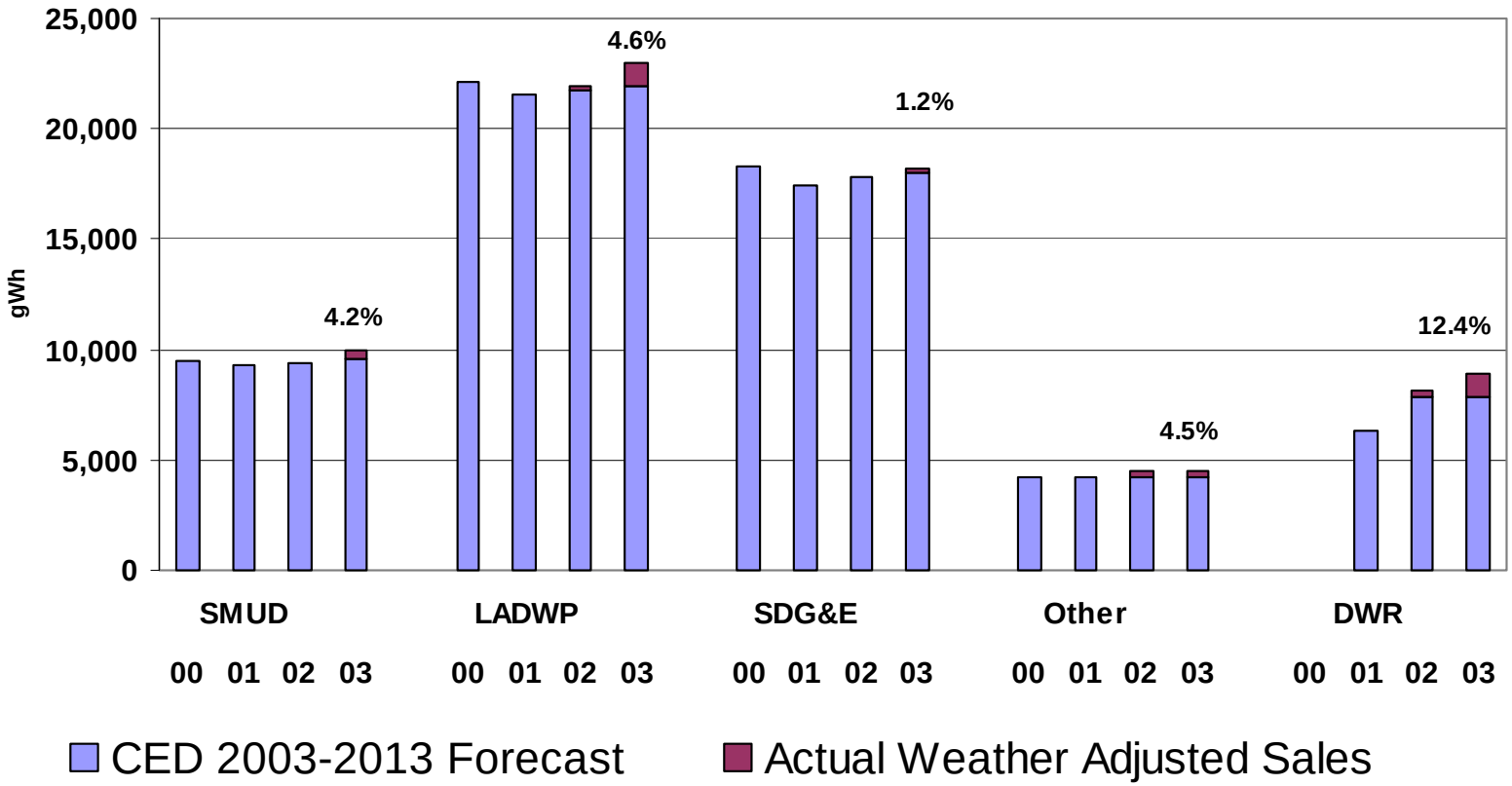
Development of 2005 Load Projections

1. Recalibrate peak forecast using 2002 and 2003 reported electricity sales, and growth rate from CED 2003-2013 forecast.
2. Estimate 2004 weather adjusted peak by control area.
3. Where significantly different, adjust 2004 peak and apply CED 2003 growth rate.

Annual Electricity Sales
SCE and PG&E Planning Areas

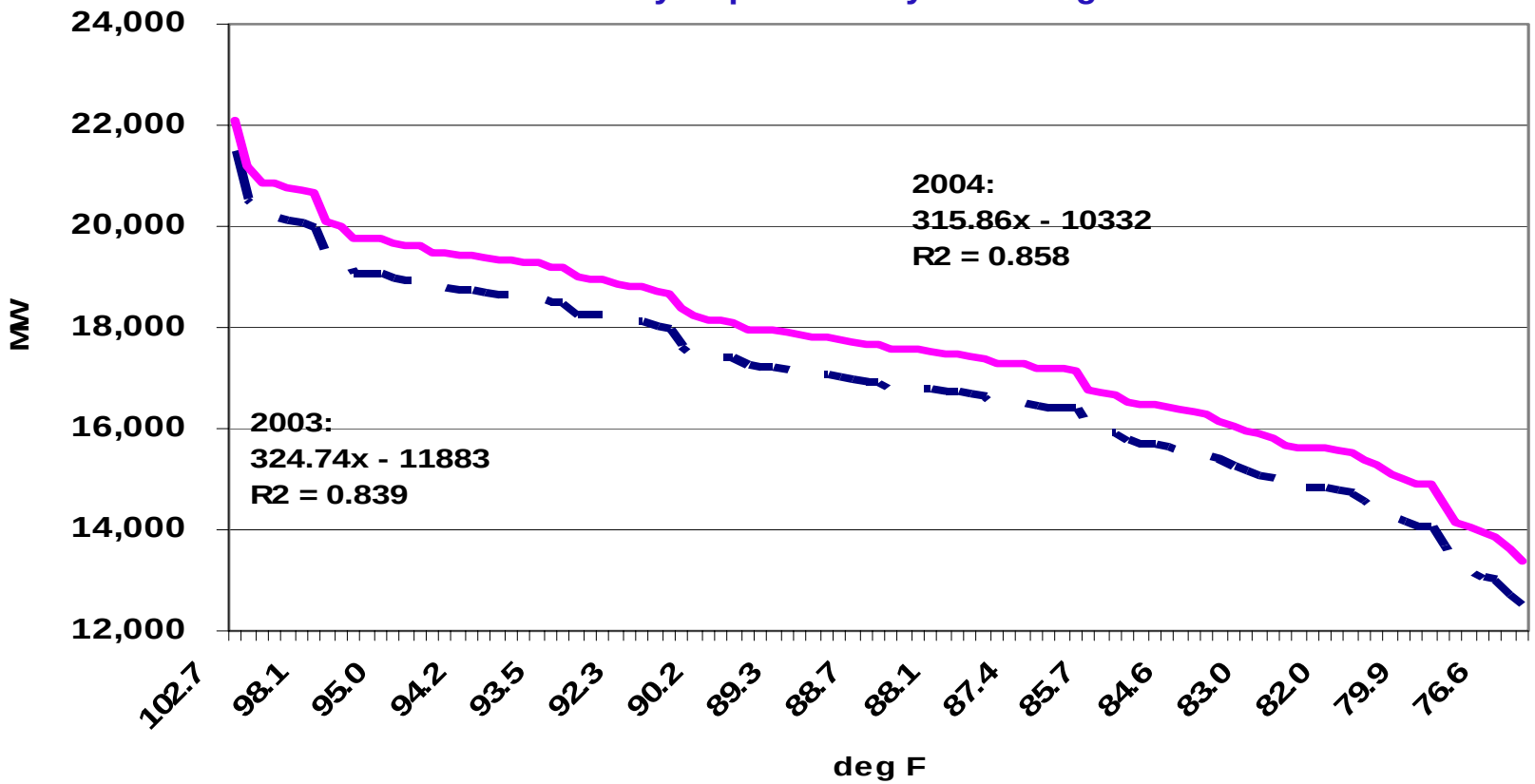


Annual Electricity Sales SDG&E and Publicly Owned



Estimated NP 15 Daily Peaks Normalized to 2003 Weather

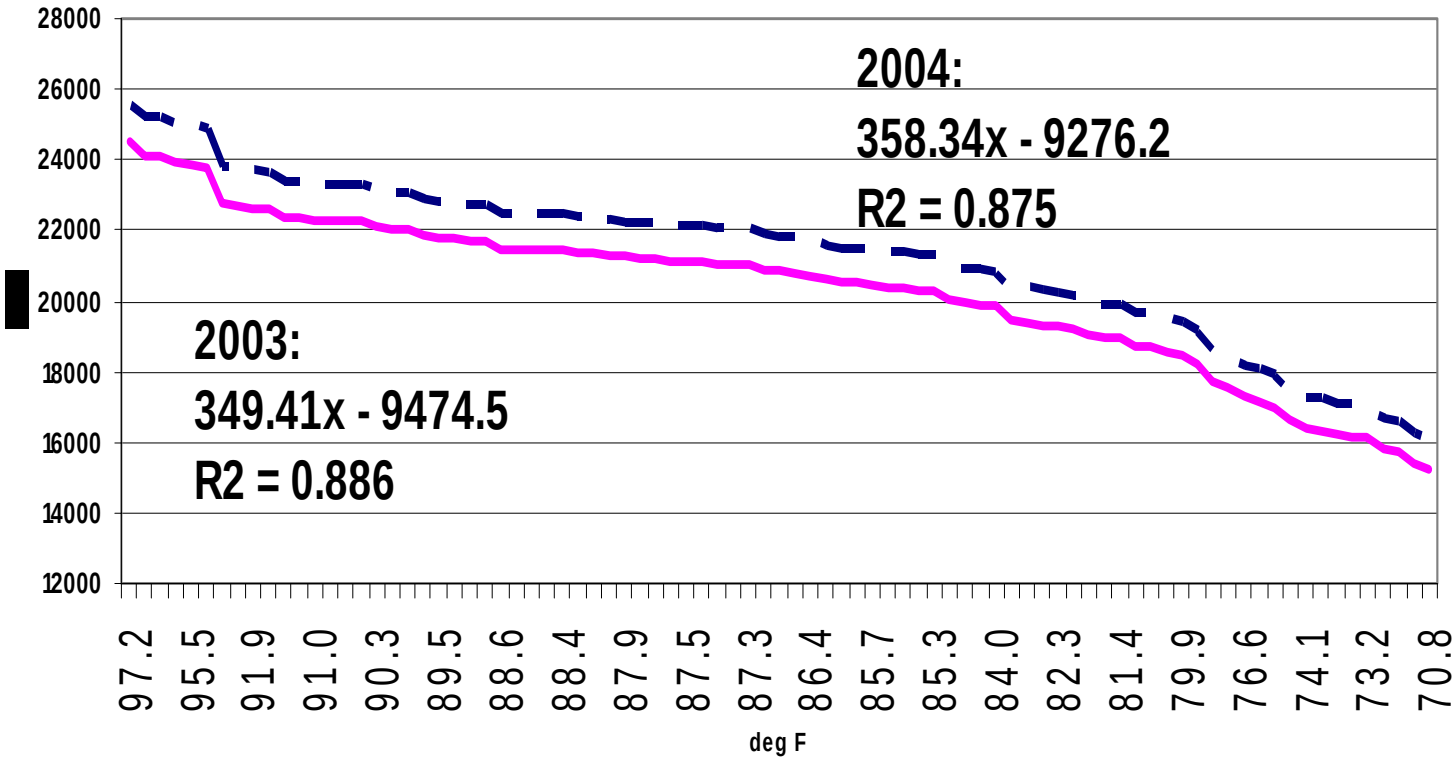
May-Sept Weekdays > 75 degrees



- At a 1-2 temperature of 101.35 degrees, 2004 peak was 21,851, compared to forecasted 2004 peak of 21,613 MW.
- NP15 peak was reduced by 729 MW to exclude Redding, Roseville, and WAPA
- 2005 Forecast of 21,289 based on 1.94% growth of PG&E planning area in CED 2003 Forecast, and increased DWR load.

Estimated SP 15 Daily Peaks Normalized to 2003 Weather

June-Sept. Weekdays > 75 degrees



- **SP 15 2004 peak estimated at about 26,200 MW, using a 1-2 temperature of 99 degrees.**
- **CED 2003 growth rate of 3% for 2004/2005 brings SP15 2005 demand to 27,001 MW.**

Comparison of 2005 IEPR Submittals with Staff Projections

2005 Annual Peak Demand (MW)

	LSE Submittals*	Staff Projections	% Diff.
SMUD Control Area	3,593	3,575	-0.5%
LADWP Control Area	6,097	6,330	3.8%
Imperial Irrigation District	890	812	-8.8%
CAISO Coincident Peak	48,601	48,289	-0.6%
Statewide Coincident Peak	58,185	57,912	-0.5%

*Staff projections were used for those LSEs not submitting a forecast